2014 Capital Budget

City of Penticton



Capital Summary

		2014
Sewer Utility		4,722,000
Water Utility		2,235,000
Electric Utility		6,614,750
General Capital		9,186,250
	Total	22,758,000



Capital Funding

	2014
Sewer Utility (self funding)	4,722,000
Water Utility (self funding)	2,235,000
Electric Utility (self funding)	6,614,750
General Capital (breakdown on next slide)	9,186,250
Tota	



General Capital funding sources

	2014
Sewer Utility	794,000
Water Utility	391,000
Electric Utility - Contribution to General Capital	3,039,000
Provincial Government	2,082,800
DCC - Storm Sewers	238,100
Equipment Replacement Fund	1,057,100
Local Improvement Fund	250,000
Future Expenditures	1,060,000
Donations/Other Contributions	70,500
Yet to be funded	203,750
Tota	9,186,250



2014 Capital Budget

Strategic Priorities



Strategic Priorities

Downtown



Waterfront





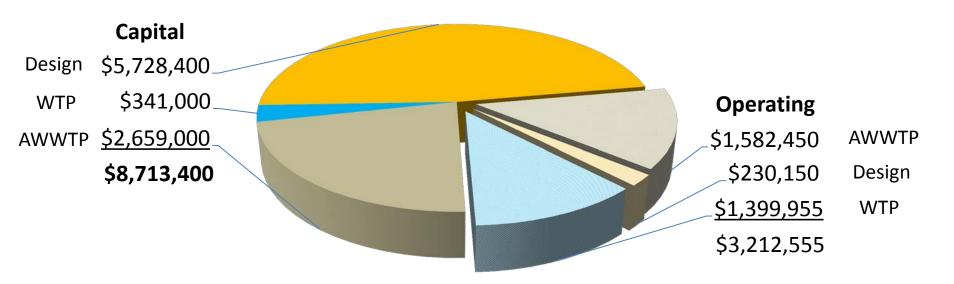
2014 Capital Budget

Engineering

- Design Multiple funding sources
- Advanced Waste Water Treatment Plant
- Water Treatment Plant

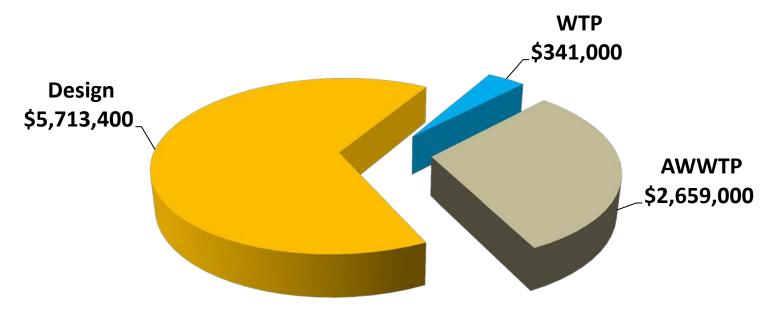


Engineering Department Total Budget - \$11,925,955



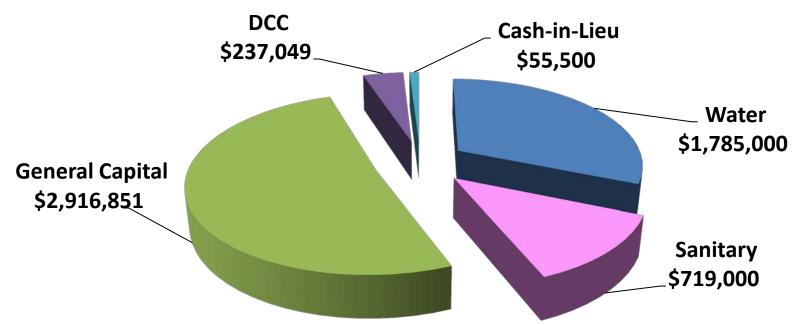


Engineering 2014 Capital Budget By Area \$8,713,400





Engineering Design 2014 Capital Budget By Fund \$5,713,400





Project Description	Priority (H/M/L)	Budget	Comments
Industrial Avenue Reconstruction Main Street to Quebec Street	Н	\$1,905,000 Funding \$346,000 Water \$694,000 San \$736,901 Gen Cap \$128,099 DCC	Complete utility and road surface upgrade with new curb and gutter and walkway on North side and intersection upgrades along the corridor.



Project Description	Priority (H/M/L)	Budget	Comments
Industrial Avenue Reconstruction Main Street to Quebec Street	Н	\$1,905,000 Funding \$346,000 Water \$694,000 San \$736,901 Gen Cap \$128,099 DCC	Complete utility and road surface upgrade with new curb and gutter and walkway on North side and intersection upgrades along the corridor.



Project Description	Priority (H/M/L)	Budget	Comments
Water Main Replacement Projects	H	\$1,339,000 Water Utility	 Edna Avenue from Main St to Government St Bennett Avenue from Manitoba St to



Project Description	Priority (H/M/L)	Budget	Comments
Storm Drainage	Н	\$288,000 General Cap	 Runoff Remediation Projects South Main Street Flooding (Sandbridge) Wilson Street Flooding SOEC Car Park Flooding Storm Drainage Master Plan Update
Bike Network Design & Implementation	Н	\$145,000 General Cap	 Power Street - Lakeshore Dr to Westminster Ave Fairview Road - Channel Parkway to Eckhardt Skaha Lake Road - Channel Parkway to Yorkton Vancouver Avenue - Vancouver Place to Ellis



Project Description	Priority (H/M/L)	Budget	Comments
Sidewalk Improvements	Н	\$405,400 \$349,900 General Cap \$55,500 Cash-in- Lieu	 Pineview Sidewalk – Phase 1 – Juniper Dr to Cedar Road Baskin Street – Warren Ave to Cornwall Dr Atkinson Street – Industrial Ave to Warren Ave Wilson Street – 3311 Wilson St to Yorkton Ave Columbia Street – Duncan Ave to Naish Dr
Traffic Calming	Н	\$170,000 General Cap	Wiltse SchoolParkway SchoolCarmi School
Downtown Revitalization	Н	\$525,000 General Cap	 Main Street – 100 to 700 Block Design North & South Green Design and Public Consultations



Project Description	Priority (H/M/L)	Budget	Comments
Waterfront Revitalization	Н	\$811,000 General Cap	 Peach Plaza Area Rotary Park Walkway Extension to Pier SS Sicamous Development Area and Youth Activity Area
Corry Place Design	Н	\$45,000 General Cap	Design 2014 Only
Asset Replacement Plans	Н	\$80,000 \$25,000 Water \$25,000 Sanitary \$30,000 Water	Develop replacement plans for aging water mains, sewer mains, and revenue generation plan for the irrigation system upgrade



2014 Capital Budget

Engineering

- Design
- Advanced Waste Water Treatment Plant (AWWTP) – All Sewer Utility
- Water Treatment Plant



Engineering AWWTP 2014 Capital Budget

Project Description	Priority (H/M/L)	Budget	Comments
Equipment Replacement	Н	\$329,000 Sanitary Utility	Replace aging, and failing components in the Wastewater Treatment Plant.
Lift Station Equipment	Н	\$180,000 Sanitary Utility	Replace aging, and failing components in the City's sewage lift stations.
Screw Pump Replacement	Н	\$30,000 Sanitary Utility	Installation of 2 pre-purchased screw pumps.
Fermenter Upgrades	Н	\$2,120,000 Sanitary Utility	Construct new Fermenter



2014 Capital Budget

Engineering

- Design
- Advanced Waste Water Treatment Plant
- Water Treatment Plant (WTP) All Water Utility



Engineering WTP 2014 Capital Budget

Project Description	Priority (H/M/L)	Budget	Comments
Reservoir Improvements	H	\$95,000 Water Utility	 Improvement necessary in mixing and turnover of the water in all reservoirs. Install a new altitude valve, bypass and vault at the Carmi Reservoir to improve hydraulic characteristics at the Gordon Avenue Reservoir
PRV Upgrades	Н	\$56,000 Water Utility	 Upgrade the control system on the Penticton Avenue PRVs to enable the SCADA to control them from the Plant. Install monitoring equipment at high risk pressure reducing stations to allow the performance of the PRV to be monitored via the water plant SCADA



Engineering WTP 2014 Capital Budget

Project Description	Priority (H/M/L)	Budget	Comments
Replace PLC Equipment	Н	\$65,000 Water Utility	Replace PLC modules that are (15) years old and are no longer supported and have limited availability.
Water Treatment Plant Optimization & Equipment Replacement	Н	\$125,000 Water Utility	 Optimize Water Treatment Plant processes and operations to run the plant more efficiently Rebuild lake pump #6 Install secondary power surge arrestors on all pump stations Okanagan Lake Intake Inspection Cross connection program to electronic forms and tracking

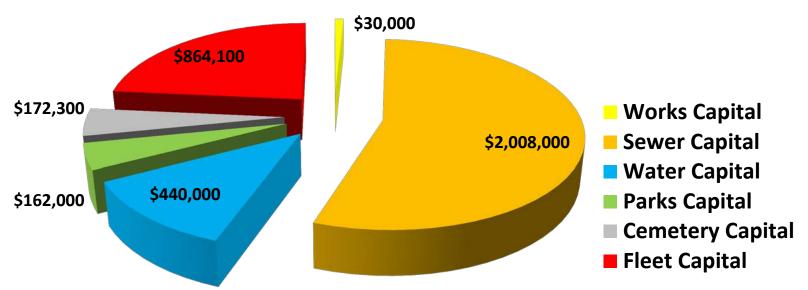


2014 Capital Budget

Public Works, Parks and Fleet Maintenance



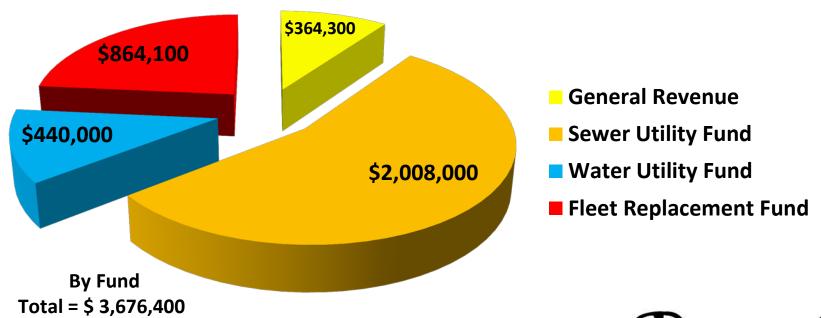
Public Works, Parks and Fleet Maintenance Capital



By Operational Area Total = \$ 3,676,400



Public Works, Parks and Fleet Maintenance Capital





Roads & Misc Capital Budget

Description	Budget	Comments
Banner – Replacements	\$5,000	Design and purchase approximately 50 banners.
Walkway Upgrades	\$20,000	Asphalt & Concrete Upgrades to Various Walkways.
Traffic Control Box Wraps	\$5,000	Decorative vinyl wraps to discourage graffiti.



Parks Capital Budget

Description	Budget	Comments
Tree Planting	\$20,000	Installation of new trees in parks, trails, and street trees.
Asphalt Pathway - Upgrades	\$10,000	Asphalt upgrades to various walkways within Parks inventory.
Tennis Court Upgrade - Columbia	\$5,000	Major repairs to courts and sports court area. Prolong replacement for up to 5 years.
Pickleball Courts	\$20,000	New Pickleball courts to be located adjacent Lakawanna Tennis Courts. Work towards a 50/50 cost share.
Playground Surface Upgrades	\$20,000	Small rocks create slipping hazards for children. Replace with wood product.
Parks Small Projects	\$24,000	Winter buoys, hanging baskets, sports field drainage, bollard replacement, litter & recycle receptacles, playground equipment, batting cage net.



Parks Capital Budget

Description	Budget	Comments
Kings Park Mesh Replacement	\$10,000	Replacement of the fence mesh behind the goal on field #4.
Beach Safety Audit	\$30,000	Design, procure, and install 13 signs along the water fronts and 20 in washroom facilities.
Slo-Pitch Field Upgrades	\$33,000 (\$16,500)	Roof tops on Park Way 1&2 field dug outs. Skaha field dug outs, and utility shed c/w small tractor for field grooming. Penticton Slo-Pitch will cost share 50%.
Fairview Cemetery Upgrades	\$78,500	2013 Master Plan Recommendations - Irrigation replacement, restore graves, furniture, fence, gate and hedge upgrades.
Lakeview Cemetery Expansion & Upgrades	\$93,800	2013 Master Plan Recommendations - Detailed design & geotechnical works for phase 1 & 2 and Lower Bench Road stability, landscape screen around crematorium and maintenance yard.



Works Water Utility projects

Description	Budget	Comments
Rural Meter Pit – Installation	\$45,000	Installation of domestic meter vaults (pits) in rural areas which will enhance water conservation, recover actual cost of water use, and reduce cross connection potential.
Agriculture Irrigation Upgrades	\$25,000	Upgrades to pipes, prv's, valves, irrigation diversions, and misc dam improvements etc.
Greyback Dam – Level & Flow Monitoring	\$150,000	Design, procure, & construct a level & flow monitoring system that reports directly to City Yards office.
Dam Safety Review (10 year Requirement)	\$110,000	Dam Safety Review and update of Operations Manual and Emergency Preparedness Plan is required by legislation on a 7 to 10 year basis.



Works Water Utility projects

Description	Budget	Comments
Water Service Renewals	\$30,000	Water service upgrades as required by recapping, capital construction, subdivision, and aging infrastructure.
Fire Hydrant Spacing - Upgrades	\$80,000	Installing approx. 16 Fire Hydrants per year in areas identified as deficient.



Works Sewer Utility projects

Description	Budget	Comments
Gas Detector – Replacement	\$8,000	Replace base station and 5 gas detectors. Current detectors are outdated and no longer serviceable.
Compost Facility Upgrade	\$2,000,000	Current site was constructed approximately 15 years ago to the standards of the day. The standards have changed and the site requires an upgrade. The present Campbell Mountain Landfill fill plan indicates that the RDOS will require the present foot print for filling within a 3 year timeframe.



Fleet Capital Budget

Description	Budget	Comments
Garage Equipment	\$21,000	Replace shop air compressor (16 yrs old) & misc small tools, jacks, stands, etc.
Small Parks Equipment	\$8,100	Weed eaters, back pack blowers, line painter, and chain saws.
Fire Department Equipment	\$350,000	Replace a 1994 Rescue Truck.
City Fleet	\$485,000	 1 - 1/2 Ton Pick Up (15 yrs old) 1 - Car (13 years old) 1 - 1 Ton Dump Truck (15 yrs old) 1 - Tractor (19 yrs old) 1- Tandem Dump Truck (12 yrs old) 1- Leaf Vacuum (16 yrs old) 1 Sander hydraulic upgrade to control liquid anti ice product 1- Ice Resurfacer (Zamboni) (10 yrs old)



2014 Capital Budget

Electrical Capital

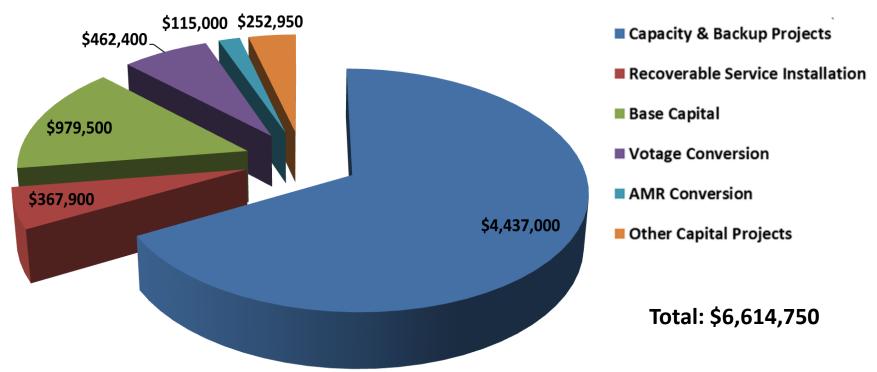


Electrical Capital





Electrical Capital Budget





Electrical Capital Budget

Project Description	2014 Budget	Comments
Capacity & Backup Projects	\$4,437,000	Projects per 2011 Master Plan
Recoverable Service Installation	\$ 367,900	New services & utility extensions
Base Capital	\$ 979,500	Existing Infrastructure improvements
Voltage Conversion	\$ 462,400	Continuation of system Voltage Conversion
AMR Conversion	\$ 115,000	Addresses 2.5 element metering
Other Capital Projects	\$ 252,950	Master Plan, PCB, Fiber Optics, Peak Shaving, Storage Building Design



Electrical Capital Budget

Cana	city 9.	Backu	n Droi	Octc
Caua				

Project Description	2014 Budget	Comments		
Westminster Substation 12KV Upgrade	\$3,000,000	Provide additional back up Westminster and Huth / Carmi substations for emergency situations		
Convert Feeder R32 to 12kV	\$ 718,500	Convert Westminster Substation R32 Feed to 12KV		
Convert Feeder R33 to 12kV	\$ 718,500	Convert Westminster Substation R33 Feed to 12KV		
TOTAL	\$4,437,000			



Recoverable Service Installation			
Project Description	2014 Budget	Comments	
Estimated Work Orders	\$301,300	OH and UG Service upgrades and new installations done on an estimated cost basis.	
Flat Rate Work Orders	\$ 66,600	OH and UG Service upgrades and new installations done on a flat rate basis.	
TOTAL	\$367,900		



Base Capital			
Project Description	2014 Budget	Comments	
Sectionalizing & Voltage Regulation	\$ 53,500	Replacement of OH, UG and pad mount switches	
OH System Upgrades	\$340,000	Replacement of OH wire, insulators, cross arms and poles based on inspection and 3 rd party work	



Base Capital			
Project Description	2014 Budget	Comments	
UG System Upgrades	\$586,000	Replacement of UG wire, OH to UG conversion based on inspection and 3 rd party work	
Substations	\$-	Replacement and upgrade at the 4 substations.	
TOTAL	\$979,500		



Voltage Conversion			
Project Description	2014 Budget	Comments	
Transformer Replacements	\$400,000	Change out of transformers to increase voltage from 8kv to 12kv to reduce current by 34% and increase substation interconnection	
Hardware Replacement	\$ 62,400	Replacement of hardware as required when transformers are changed out	
TOTAL	\$462,400		



AMR Conversion			
Project Description	2014 Budget	Comments	
AMR Conversion	\$115,000	Change out of the last of the meters to AMR (115 our of a total of 230)	
TOTAL	\$115,000		



Other Capital Projects			
Project Description	2014 Budget	Comments	
PCB Mitigation	\$102,000	Legislated testing and removal of transformers containing PCB's	
Fiber System Redundancy	\$ 60,000	Installation of Fiber System ties to provide dual feed capability	



Other Capital Projects			
Project Description	2014 Budget	Comments	
Peak Shaving Study	\$ 30,000	Investigate load shedding at City facilities	
Storage Building Design	\$ 60,950	Design storage building for electrical inventory & vehicles	
TOTAL	\$252,950		



2014 Capital Budget

Street Lighting & Traffic Signals Capital

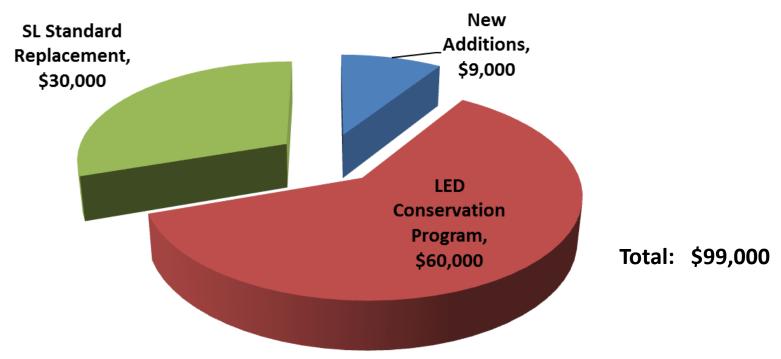


Street Lighting Capital





Street Lighting Capital Budget





Street Lighting Capital Budget

Project Description	2014 Budget	Comments
New Additions (3)	\$ 9,000	For the installation of new Street Lights requested during the year
LED Conservation Program (65-75)	\$60,000	Replacement of 150 watt HPS with LED
SL Standard Replacement (70)	\$30,000	To replace light standards as required for safety reasons.
TOTAL	\$94,000	

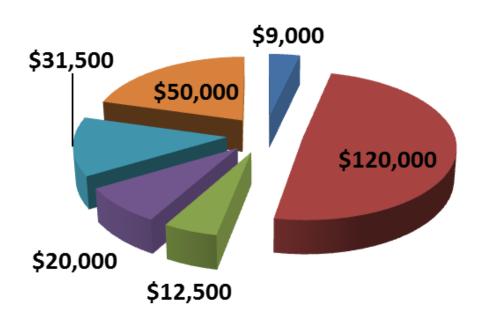


Traffic Signals Capital





Traffic Signal Capital Budget



- Detectors and Loops
- Traffic Signal (Carmi)
- Audible Traffic Signals
- Controller Upgrades
- UPS Installation

Total: \$243,000



Traffic Signal Capital Budget

Project Description	2014 Budget	Comments
Detectors and Loops	\$ 9,000	Replacement of failed loops
Traffic Signal (Carmi)	\$120,000	New Traffic Signal
Audible Traffic Signals (5)	\$ 12,500	Install 5 per year
Controller Upgrades (1)	\$ 20,000	Replace 1 per year to 2023



Traffic Signal Capital Budget

Project Description	2014 Budget	Comments
UPS Installation (4)	\$ 31,500	Install 4 per year
LED Signal Replacement	\$ 50,000	Total replacement over 3 years
TOTAL	\$243,000	



2014 Capital Budget

Fire



Fire

Description	Budget	Funding source
Fire Hose / Nozzle Replacement Program	11,200	Gen Cap
Protective Clothing	23,000	Gen Cap
Self-Contained Breathing Apparatus	2,500	Equip Repl Res
Fire Helmet/Headlamp Replacements	4,400	Gen Cap
Training Grounds Upgrade	15,000	Gen Cap
Power Saw Replacement	2,000	Gen Cap
Rescue Equipment	10,000	Gen Cap
TOTAL	68,100	



2014 Capital Budget

Facilities



Facilities - Arenas

McLaren Arena

 Compressor Replacement Ice Plant 	\$25,000
 Brine Line Header Replacement 	\$30,000

Memorial Arena

 Interior Lighting Replacement to LED 	\$30,000
 Zamboni Driveway Replacement 	\$10,000
 Rotten Roof Beam Replacement 	\$ 9,000



Facilities - City Hall & Yards

City Hall

Stairwell Flooring Replacement \$20,000

Building Envelope Upgrades \$30,000

Grant

City Yards

- Truck Exhaust \$ 4,000

Interior Painting \$12,500



Facilities – Library and Museum

Museum

Roof Rep	airs		\$ 4,500
_			•

- Atkinson Gallery Ceiling Repair \$20,000 \$ 1,000
- Equipment Replacement
 - Excluded in final total page

Complex Lobby Renovation

- Flooring Lobby & Corridors
- Painting Lobby & Corridors

\$55,000

\$25,000











Facilities – Rec and Community Centre

• Recreation Department

Recreation Equipment Replacement \$26,500

• Community Centre

Washroom Upgrades	\$15,000
Gym Floor Repairs	\$25,000
Fitness Room Expansion (+CF\$)	\$10,000



Facilities - Fire Halls

• Fire Hall #1

_	Envelope Repairs North Elevation	\$ 5,000
_	Wood Window Repairs Envelope	\$ 7,000
_	Infrared Scan of Electrical	\$ 7,000

• Fire Hall #2

_	Wood Window Repairs Envelope	\$ 5,000
_	Infrared Scan of Electrical	\$ 7,000

Emergency Measures Building

Roof Replacement \$30,000



Facilities - Dog Control Facility

Dog Control Office/Dwelling

 Foundation	\$	7	.50) (
	T	- ,	,	_

- Double Modular Building \$ 75,000
- Water, Sewer, Electrical Services \$ 7,500
- Demolition of Existing Building
- Contingency\$ 7,000
- Total \$123,000



\$ 26,000

Facilities - Dog Kennel/Works Storage

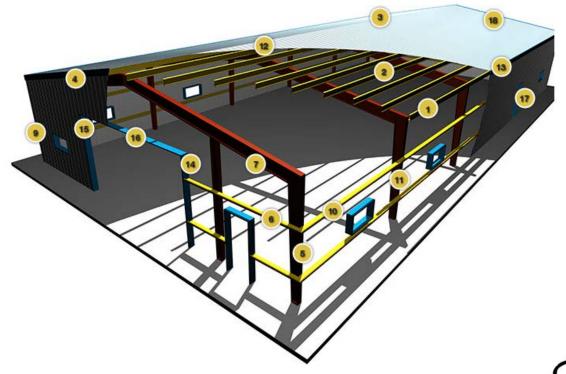
New Kennel & Sander Storage Facility

_	80' Butler Building	\$ 35,000
_	30' X 80' Concrete Slab (1/2 heated)	\$ 20,000
_	Slab Electrical	\$ 7,500
_	Slab Plumbing	\$ 7,500
_	6' Cinderblock Walls & Fencing	\$ 20,000
_	Plumbing Fixtures	\$ 2,000
_	Perimeter Fencing & Lighting	\$ 15,000
_	Wash Bay & Washroom – Services (E/W/S)	\$ 8,000
_	Gantry Crane System for Sanders	\$ 12,000

- Total \$127,000



Kennel & Storage Building



Facilities - Other Buildings

RCMP Main

Carpet & Resilient Flooring

\$30,000



Facilities – SOEC and OHA

• SOEC

Interior Lighting Replacement to LED

\$100,000

High Steel Structure Installation

\$ 65,000

Water Softener Better Ice & Energy

\$ 5,000

SOEC / OHA

Interior Lighting Replacement to LED

\$ 30,000



Facilities - PTCC

•	PTCC	HVAC
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– RTU #16 Replacement (+CF\$) \$90,000

PTCC Flooring

Carpet Replacement Phase 1 \$75,000

PTCC Kitchen

Convection Ovens Replacement Phase 2 \$18,000

• Equip Replace Reserve

Kitchen Small Wares Replacement \$10,000



Total Facilities Capital

• 2014 Request

\$1,085,500

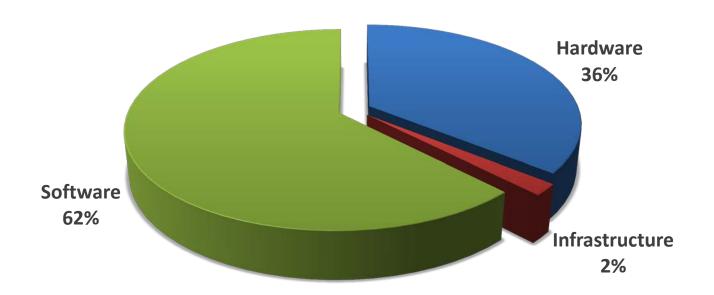


2014 Capital Budget

Information Technology

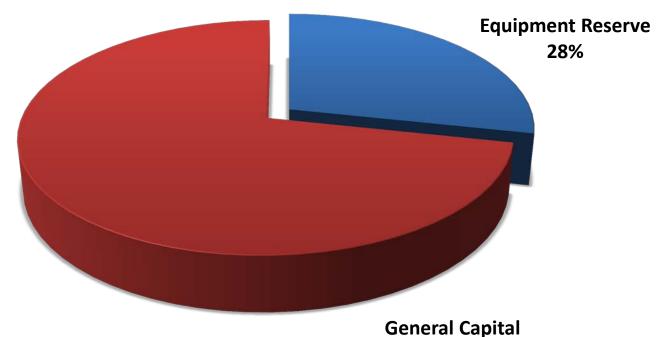


IT Capital Budget Summary





IT Capital Funding Sources



72%

Information Systems

PC & Hardware	Included	Funding source
Servers	40,000	Equip Repl Res
PC's, laptops, tablets	95,000	Equip Repl Res
Printers, Pressure Sealer	10,000	Equip Repl Res
Video Cameras/Conferencing/AV	30,000	Gen Cap
Memory, cabling, parts	10,000	Gen Cap
Telephone Hardware	7,500	Equip Repl Res
General Infrastructure	10,000	Gen Cap



Information Systems

Software - Existing	Budget	Funding source
Microsoft Enterprise Agreement	65,000	Gen Cap
The object the prise Agreement	03,000	Cen cup
Utility Software	5,000	Gen Cap
Tax System	7,500	Gen Cap
Records Management	50,000	Gen Cap
GIS Implementation	45,000	Gen Cap
Development Services System	5,000	Gen Cap



Information Systems

Software - New	Budget	Funding source
Software - New	Duuget	Fulluling Source
Fire Department – inspection tracking, reporting	35,000	Gen Cap
IT Mobile Device	3,000	Gen Cap
Shift Worker Management	10,000	Gen Cap
Agresso HR Module	50,000	Gen Cap
Questica TeamBudget	60,000	Carry Forward
TOTAL CAPITAL	538,000	



2014 Capital Budget

Corporate – miscellaneous



Corporate - miscellaneous

Description	Budget	Funding source
Annual Furniture Upgrades - City Wide	20,000	Equip Repl Res
Wage Transfer from Operating	158,850	Gen Cap
Trade Show Displays	15,000	Gen Cap
Short Term Opportunities	75,000	Gen Cap
TOTAL	269,850	



Communications

- Trade show displays
 Replacement for existing materials
 that are at end of life
 - Branded materials with new cohesive identity
 - City, Fire Department
 - **-** \$15,000







General Capital funding sources

	2014
Sewer Utility	794,000
Water Utility	391,000
Electric Utility - Contribution to General Capital	3,039,000
Provincial Government	2,082,800
DCC - Storm Sewers	238,100
Equipment Replacement Fund	1,057,100
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Questions?

